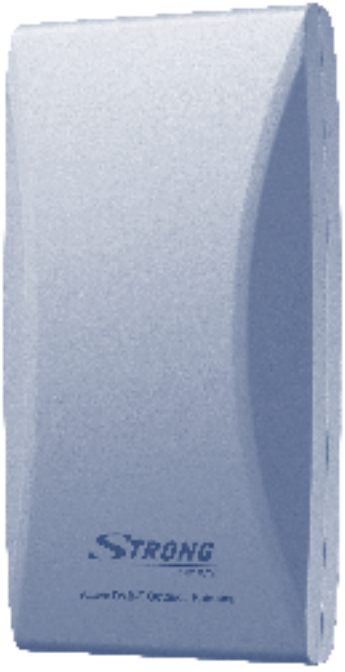
STRONG
DIGITAL TV



Active Outdoor Antenna DVB-T SRT ANT 15

User Manual

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1.0 Introduction

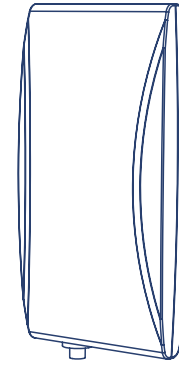
Thank you for purchasing the Strong **SRT ANT 15 DVB-T Antenna**. This antenna has been specially designed to receive digital terrestrial signals. It can be connected to any Digital Terrestrial Receiver (DVB-T), and is specially designed for **Outdoor** use. The antenna housing is UV protected and weather-proof sealed. With the multi-functional mounting materials supplied you can install the antenna on a wall, on your balcony or on a pole outside the house.
This DVB-T Antenna is an *"Active type"* antenna, it has a built-in low noise amplifier that amplifies the received signal for better performance. The antenna therefore needs 5 V power supplied by your terrestrial receiver, or by an AC adaptor (supplied with the antenna).
We recommend that you carefully read this user manual before you install the antenna. This will help you to get the best performance out of your antenna.

Specifications:

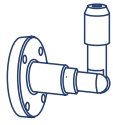
Frequency range:	VHF 47 - 230 MHz, UHF 470 - 870 MHz
Gain:	20 dB for VHF and UHF
RF Output Impedance:	75 Ohm
Power Supply - 2 powering methods:	5 V DC 40 mA via ANTENNA connector of the digital terrestrial receiver **or** 9 V DC 100 mA via External 230 V AC to DC adapter
Special features:	▪ Choice of installation methods: wall-mounted or pole-mounted installation ▪ Built-in VHF and FM filter ▪ Weather-proof and UV protected housing ▪ Built-in low noise amplifier technology ▪ Highly directional to optimise accurate pointing to the transmitter and to reduce pick up of unwanted signals

2.0 Package contents

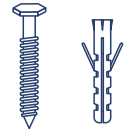
1. Active DVB-T Outdoor Antenna.
2. Multidirectional base.
3. Wall mounting kit.
4. Pole Mounting kit.
5. Coaxial Cable.
6. Power Injector.
7. AC Adaptor.
8. IEC male to IEC female Coaxial Cable.



Main unit

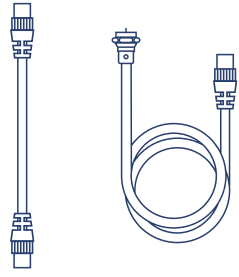


Multi-directional base

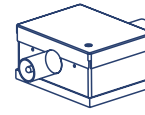


Wall Mounting kit

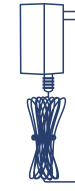
Pole Mounting kit



Coaxial Cable



Power Injector



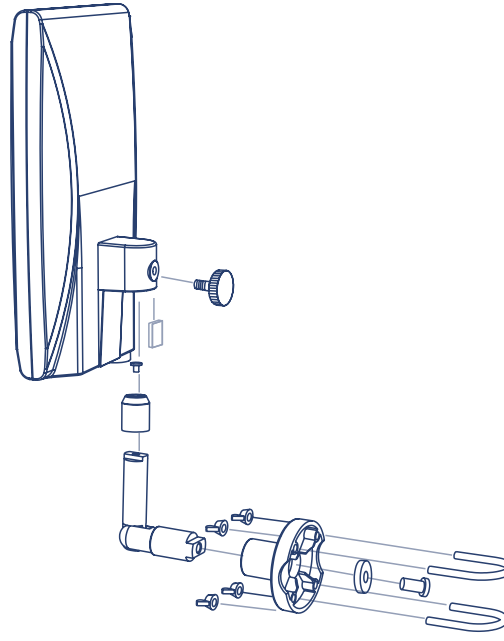
AC Adaptor

3.0 Safety notes

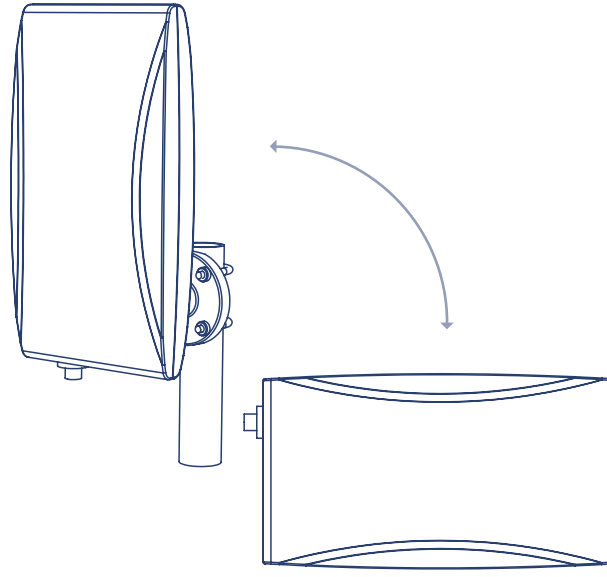
- Use only originally supplied accessories
- Before you make any connections: disconnect your equipment from the 230 V mains power to avoid electrical shocks during installation
- Short Circuit in the coaxial cable MAY permanently damage your Digital Receiver
- Never use AC Adaptors with incorrect specifications. This MAY permanently damage your antenna or Digital Receiver. Always check voltages and polarisation of the adaptor before connecting it

4.0 Connecting the antenna - preparations:

Step 1: Check if the broadcast in your country is Horizontally or Vertically polarised.
Step 2: Fix the Antenna to the multi-directional base as shown in the pictures:



Step 3: Depending on how the signals are broadcasted (Horizontal or Vertical) you will have to mount your antenna in the Horizontal or Vertical position for best performance.



(Vertical-Broadcast) antenna mounted V **(Horizontal-Broadcast) antenna mounted H**

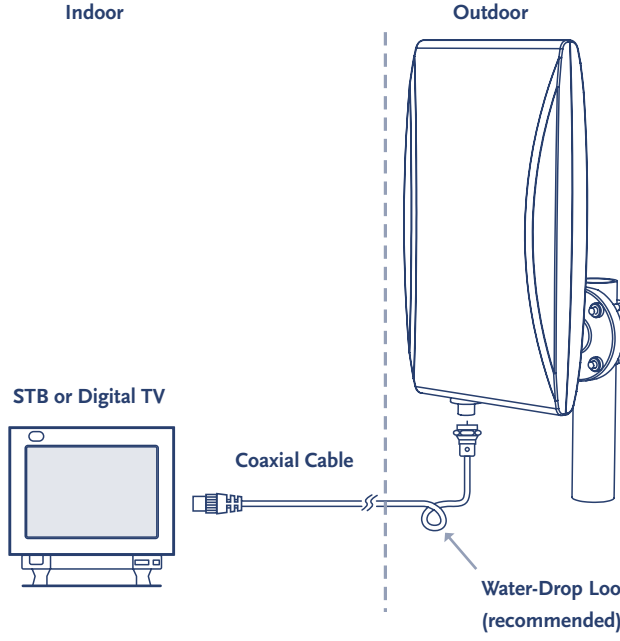
Step 4: Your antenna needs 5 V power to work properly. Check in the menu or user manual of your terrestrial receiver to see if it supports the needed 5 V power.

A. To power the antenna with Digital Terrestrial Receiver:

1. Turn on your TV set and turn on your Digital Terrestrial Receiver.
2. Press the *"MENU"* button on the remote control of your Digital Terrestrial Receiver. Check in the Set-Up or Installation Menu of your Receiver to see if the antenna power is set to *"ON"*. *(Normally this is indicated in the menu as ANT power, Ext Antenna power or Active antenna power)*. **Refer to the User Manual of your Digital Terrestrial Receiver.**

3. Once you are sure that your receiver supports 5 V antenna power, switch off your receiver and disconnect it from the 230 V mains power.
4. Take the supplied *"long"* coaxial cable and connect the end with the *"F connector"* (screw type connector) to the antenna. Carefully press the inner lead of the cable into the Female-F connector at the back of the antenna. Turn the covering nut clockwise with your HANDS until it is fixed.
5. Connect the IEC Male end to your Set Top Box. Normally the input connector on your receiver is marked as *"ANT"* (in) or as (in). Refer to the User Manual of your Digital Terrestrial Receiver.
6. Connect your receiver to the 230 V mains power and switch ON your receiver and TV set.
7. Proceed to 5.0 *"Antenna installation"*.

Powering by STB or Digital TV



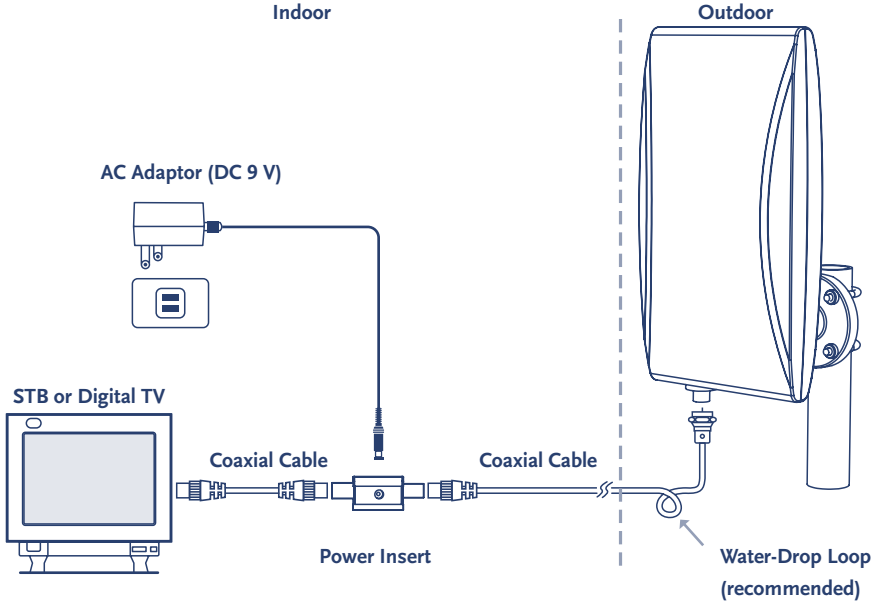
If your receiver **does not support 5 V** antenna power, then please follow the next steps:

B. To power the antenna with external power adaptor:

1. Switch OFF your receiver and disconnect it from the 230 V mains power.
2. Take the short Coaxial (IEC male to IEC female) Cable. Connect the IEC Male end to your Set Top Box. Normally the input connector on your receiver is marked as *"ANT"* (in) or as *"RF"* (in). Refer to the User Manual of your Digital Terrestrial Receiver.
3. Connect the other end of the cable to the connector on the power injector that is marked as *"Receiver"*.
4. Take the supplied *"long"* coaxial cable and connect the end with the *"F connector"* (screw type connector) to the antenna. Carefully press the inner lead of the cable into the Female-F connector at the back of the antenna. Turn the covering nut clockwise with your HANDS until it is fixed.
5. Connect the other side of the cable to the connector at the power injector, it is marked as *"Antenna"*.
6. Insert the adapter to the 230 V mains power and insert the connector at the end of the lead to the power injector - it is marked as *"DC 9 - 12 V"*.
7. Proceed to chapter 5. *"Installation of the antenna"*.

For point B - please see drawing below:

Powering by Adaptor



5.0 Installation of the antenna:

1. Turn on your TV set and turn on your Digital Terrestrial Receiver.
2. Press the *"MENU"* button on the remote control of your Digital Terrestrial Receiver. Select the Menu on your receiver that shows you the signal level indicators. *(Normally you can find the signal meter in the Channel Scan field of the menu)*. **Refer to the User Manual of your Digital Terrestrial Receiver.**
3. Now optimise the signal strength by finding the best position for the antenna. Keeping the antenna in your hand, try to reach the highest or best possible position. Slowly move the antenna to different positions around the house, at the same time monitor the signal bars in the menu, once the signal indicator shows the maximum signal, fix the antenna on that position.

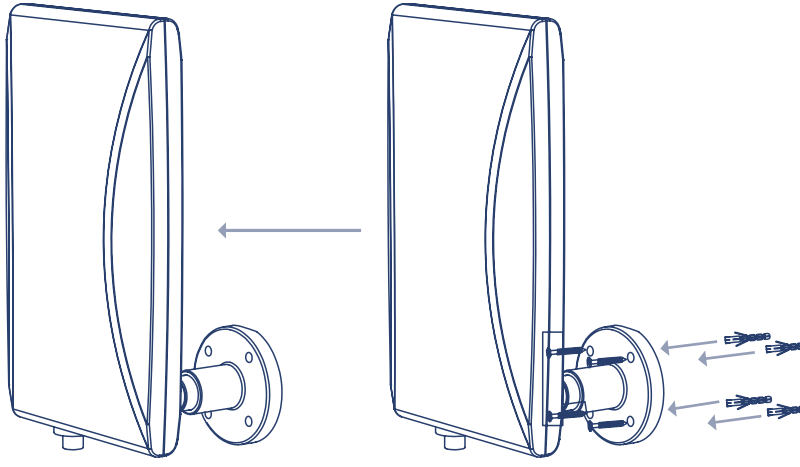
Note: It is recommended NOT to place the antenna near to:

- Devices that are strong source of radiation or interference such as DECT and GSM telephones, Transmitters, Microwaves, etc.
- Devices with high power consumption such as Electrical Heater, Air conditioner, Hairdryers, etc.

Once the best position for the antenna has been found it can be mounted and fixed in that place.
You can fix the antenna on the wall, on the balcony or on a metal pole.

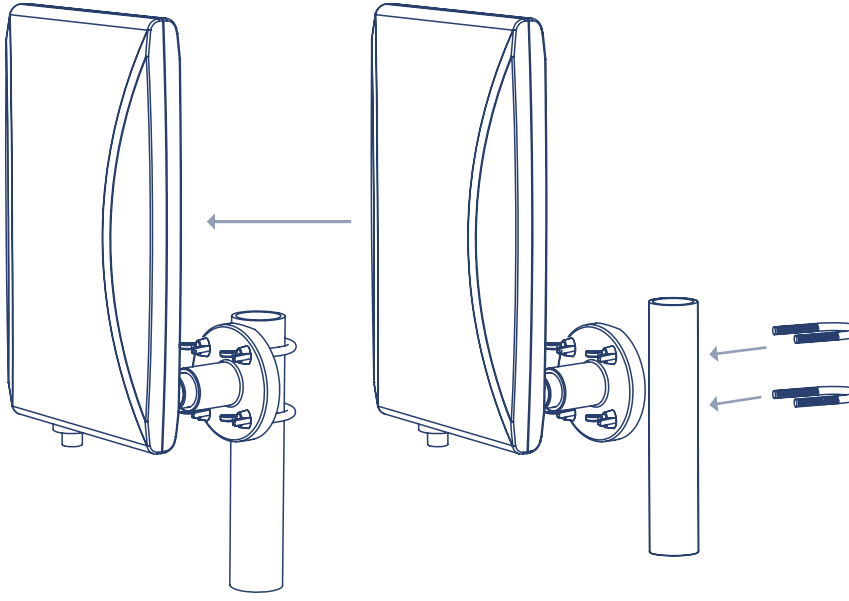
Installation on the wall:

- Take the multi directional base and hold it to the position on the wall
- Mark the 4 holes with a pencil
- Drill 4 holes diameter 5,8 mm (make sure you are in a secured position and wear sufficient protective clothing while drilling
- Insert the 4 plastic plugs into the drilled holes
- Hold the multi directional base on it's position
- Use the 4 screws to fix the plastic mount on the wall



Installation on a metal pole, or on the balcony:

- Take a metallic pole and make sure it is properly fixed and stable enough to carry the antenna
- Take the pole mounting kit
- Hook the 2 U bolts on the pole (or on the metal parts of the balcony)
- Take the multi-directional base and place it over the bolts
- Use the 4 wing nuts to fix them



Environmental Issues

Strong is committed to reducing the impact of its products on the environment.
To maximise the benefits of our design enhancements, your co-operation is required.

Electronic product recycling
Do not dispose of this product with your domestic rubbish

At the end of its useful life, this product contains materials which when prcessed correctly can be recovered and recycled. By participating in the responsible recycling of this product you will be reducing the requirement for new raw materials and reducing the amount of material that would otherwise end up in landfill.
When you purchase a new, similar product your retailer may offer to take this old one off you. Alternatively, you can take it to your local recycling centre. Your retailer or local municipal authority will advise you of the collection facilities available for waste electronically products in your area. User of this service will be free to you.

Within the scope of the European legislation on Waste Electrical and Electronic Equipment (Directive 2002/96/EC valid as of August 2005) STRONG provides a recycling system free of charge for consumers to return-ing products after end of life.
For more information about STRONG's environmental policy to you:

www.strongsat.com - select *"About us"* and *"Environmental Policy"* from the submenu.

Packaging
When disposing of this product packaging, please ensure that it is recycled. Packaging material is to be depolluted in waste separation.

Power Saving
To save power and money, please put the product into standby mode when not in use. We also recommend disconnection from mains supply when not in use for longer periods of time.

Batteries
Do not dispose of the batteries from your handset with your domestic waste

Where they are available, participate in your local municipal or retailer collection schemes for spent batteries. Batteries discarded in landfill sites or incinerated increases the chances of pollutants being dispersed into the atmosphere.